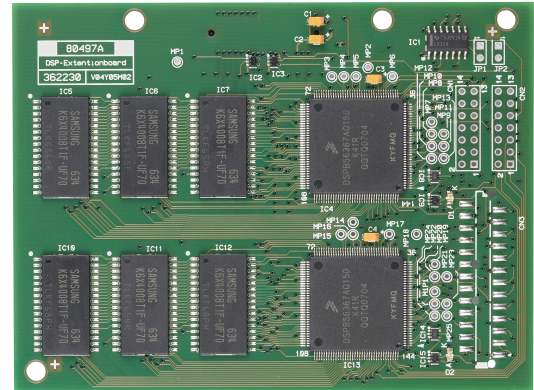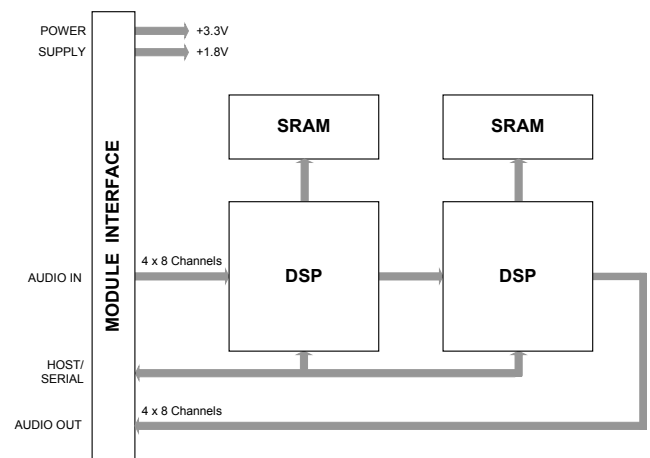# DSP-1 DSP extention board, 300 MIPS

- 300 MIPS computing capacity - doubles the DSP power

- 2 RAM banks (512k x 24 Bit) - allows for additional delay lines up to 21.8 seconds

- 48 Bit signal processing - Double Precision DSP algorithms

- Automatic Configuration - IRIS-Net detects when a module is added or removed

The DSP-1 is a DSP extension module for use in an Electro-Voice N8000 or DYNACORD P 64 system. The module provides additional DSP for extending the signal processing capacity and additional RAM memory for implementing longer delay times or a greater number of delay lines.
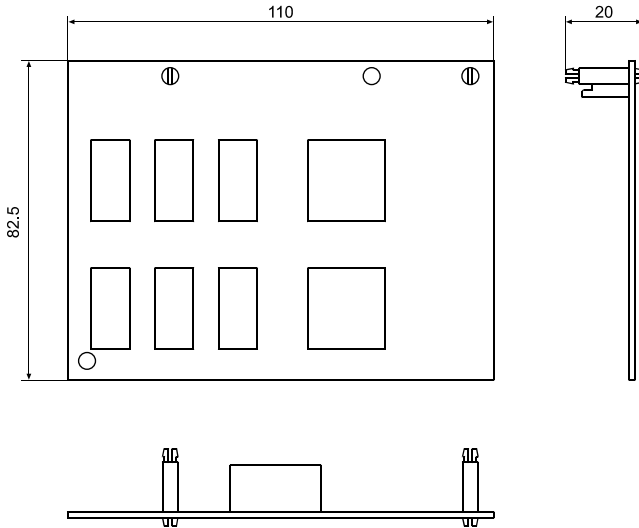
Technical specifications

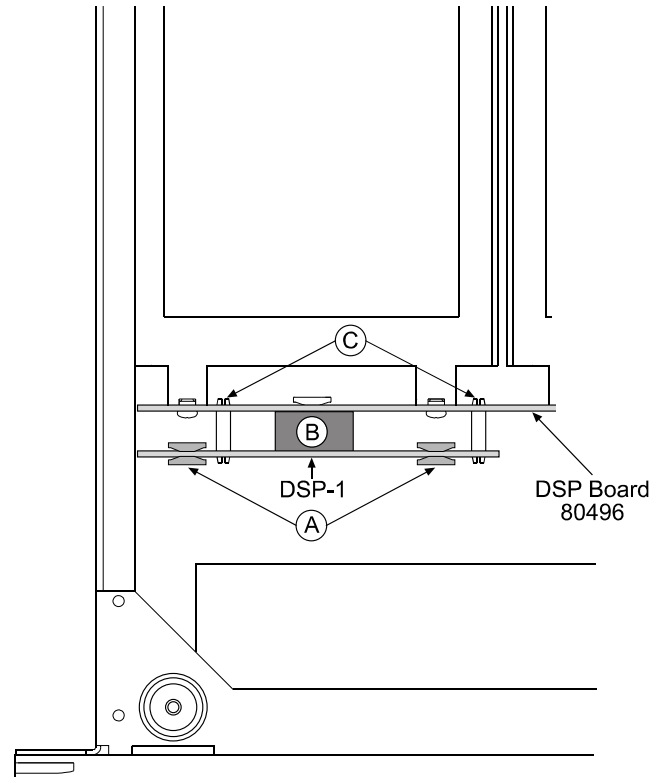|	
Supply voltage/current	+3.3 V DC, ±0.3 V/200 mA +1.8 V DC, ±0.18 V/200 mA
Sample rate	48 kHz
Data format	48 Bit processing
Processing power	300 MIPS
Memory	2 x 512k x 24 Bit SRAM/21.8 s max. delay
Signal delay	4 Samples=83,33 µs at 48 kHz
Electromagnetical environment	E1, E2, E3
Operating temperature range	0 ℃ to 40 ℃
Dimensions (Height x Width x Depth)	110 mm x 20 mm x 82.5 mm
Net weight	45 g

Block diagram

Dimensions

Installation/configuration notes

1. Turn off the power to the unit and remove the mains lead.
2. Remove the top cover (6 screws on the sides, 3 screws on top, 4 screws on the rear).
3. Install the DSP-1 module (see illustration below). Place the module in the guide slots (A) on the bottom panel.
4. Align the plug to the appropriate socket (B) and insert the plastic spacers into the mounting holes (C).
5. Re-fit the top cover.
6. Reconnect the mains power and turn on the unit.
7. DSP-2 module is automatically detected. No further configuration is required.

Parts included

Quantity	Component
1	DSP-1 module
2	Plastic spacer
1	Data sheet

Ordering information

DSP-1 DSP extention board, 300 MIPS
DSP-1 DSP extender module, adds 300 MIPS DSP power
Order number **DSP-1**